

REMARKS

The Examiner is thanked for the courtesy of the interview conducted November 19, 2002. Although no agreement was reached, allowance of this application is respectfully solicited in light of the following.

Claims 143 and 153 are clarified and, thus, claims 143-161 are in this application. Claims 143-161, as originally presented, were patentably distinct over the prior art cited by the Examiner, and are in full compliance with the requirements of 35 U.S.C. §112. Changes to these claims are made, not for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103, or 112, but simply to clarify the invention and to round out the scope of protection to which Applicants are entitled.

All the claims (claims 143-161) were rejected under 35 U.S.C. 103(a) as being unpatentable over Klingler et al. (Patent No. 5,404,316) and Langford et al. (Patent No. 5,206,929) in view of Carlucci et al. (Patent No. 5,191,645).

Independent claim 143 recites, in part:

“An editing system, for producing a resultant clip from a plurality of clips, comprising:

...display means for displaying a table indicating individual resultant clips and said information pertaining to relations between each resultant clip and the plurality of clips,

said table including horizontally aligned rows and vertically aligned columns, each row including information for a respective resultant clip, a first column of said row including an identification code for said resultant clip, a second column of said row indicating from which of said plurality of clips said resultant clip is produced...”

Independent claim 153 recites similar limitations, and, therefore, all the claims present in this application recite the foregoing limitations.

Modern video editing requires repeated processing of, for example, hundreds of materials. However, conventional editing systems are unequipped to store, manage and

otherwise keep track of a complex history of edit operations performed in producing the many resultant clips. One such conventional system purports to track edit operations by providing, for example, a confusing display of assorted "view windows" having inconsistent formats.

The present invention solves these problems by managing the information pertaining to relations between the various clips in a well-organized database. Applicants' editing system provides, for example, convenient display of the database contents in an easily-understood tabular format of columns and rows. A user thereby effortlessly tracks relations between the various clips, and the complex edit history.

Independent claims 143 and 153 include limitations directed to the above-mentioned table, an example of which is illustrated in Fig. 13 of the present application. The table in Fig. 13 includes rows and columns showing database entries of clip management data for the clips illustrated in Fig. 4. The "Attribute" entry, for example, in the third column of the table, indicates whether the clip is a material clip produced from source video data, or a resultant clip produced by editing one or more material clips.

Consider, as a further example, the entries for the clip FC-008, in the eighth row of the table in Fig. 13. Data entered in the first, third and fifth columns, respectively, indicate that clip FC-008 is a resultant clip (Attribute of "F") having Clip ID Code "008" and reproduction period "4:47:00." The Child Link ID Codes, "003," "002" and "001," in the seventh column of the table, further specify that FC-008 is a resultant clip produced by editing three material clips, MC-001, MC-002, and MC-003. The Parent Link ID Code, "010," in the sixth column, indicates that FC-008 is also used to produce resultant clip FC-010 (see Application, line 11 at page 74, to line 11 at page 77).

In explaining the 103 rejection, the Examiner relies on Fig. 17 of Klingler for its disclosure related to video processing. Klingler's system includes an interface for displaying one or more "movie view windows." Although Fig. 17 illustrates such an interface, the "movie view" shown is not formatted as a table comprised of columns and rows, as represented in Fig. 13, and claimed in claims 143 and 153, of the present application. Instead, the movie view in Fig. 17 is formatted as horizontal strips showing each frame of a selected clip in a time line view, to provide frame-by-frame display of those clips for editing (lines 17-29 of col. 9). As a result, Fig. 17 of Klingler fails to disclose, in particular, displaying a "table including horizontally aligned rows and vertically aligned columns, each row including information for a respective resultant clip, a first column of said row including an identification code for said resultant clip, a second column of said row indicating from which of said plurality of clips said resultant clip is produced..."

The Examiner also relies on Fig. 10 of Carlucci for its disclosure related to displays. Carlucci relates to a system and method for generating information displays. Although Fig. 10 of Carlucci illustrates such a display, the display shown fails to include a table comprised of columns and rows, as exemplified in Fig. 13, and claimed in claims 143 and 153, of the present application. Instead, Fig. 10 shows a display including icons, which are compressed images (line 12 of col. 14). Consequently, Figure 10 of Carlucci fails to disclose, in particular, "displaying a table indicating individual resultant clips and said information pertaining to relations between each resultant clip and the plurality of clips, said table including horizontally aligned rows and vertically aligned columns, each row including information for a respective resultant clip, a first column of said row including an identification code for said resultant clip, a

second column of said row indicating from which of said plurality of clips said resultant clip is produced..."

It is respectfully submitted that the present application is in condition for allowance. An early notice to this effect is respectfully solicited.

Statements appearing above in respect to the disclosures in the cited references represent the present opinions of the undersigned attorney and, in the event the Examiner disagrees with any of such opinions, it is respectfully requested that the Examiner specifically indicate those portions of the references providing the basis for a contrary view.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

Respectfully submitted,

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**VERSION WITH MARKINGS SHOWING CHANGES MADE  
IN THE CLAIMS**

Claims 143 and 153 are amended as follows:

143. (Twice Amended) An editing system, for producing a resultant clip from a plurality of clips, comprising:

a plurality of modules for selectively performing at least one of editing, composing, or applying a special effect to said plurality of clips; managing means for managing information pertaining to relations between the resultant clip and the plurality of clips, said information at least indicating from which of said plurality of clips said resultant clip is produced;

display means for displaying a table indicating individual resultant clips and said information pertaining to relations between each resultant clip and the plurality of clips, said table including horizontally aligned rows and vertically aligned columns, each row including information for a respective resultant clip, a first column of said row including an identification code for said resultant clip, a second column of said row indicating from which of said plurality of clips said resultant clip is produced; and

control means for controlling said plurality of modules based on said information managed by said managing means.

153. (Twice Amended) An editing method for producing a resultant clip from a plurality of clips, comprising the steps of:

selectively performing at least one of editing, composing, or applying a special effect to said plurality of clips;

managing information pertaining to relations between the resultant clip and the plurality of clips, said information at least indicating from which of said plurality of clips said resultant clip is produced;

displaying a table indicating individual resultant clips and said information pertaining to relations between each resultant clip and the plurality of clips, said table including horizontally aligned rows and vertically aligned columns, each row including information for a respective resultant clip, a first column of said row including an identification code for said resultant clip, a second column of said row indicating from which of said plurality of clips said resultant clip is produced; and

controlling said editing, composing, or applying a special effect to said plurality of clips to be edited, based on said information.